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I. D. S.
Patent
Attorney's Docket No. 028722-274

J1040 U.S. PTO
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02/27/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Iatrou, et al.)
Application No.: Unassigned) Group Art Unit: Unassigned
Filed: Herewith) Examiner: Unassigned
(Divisional of Ser. No. 09/256,694))
For: SEQUENCES FOR IMPROVING THE)
EFFICIENCY OF SECRETION OF NON-)
SECRETED PROTEINS IN MAMMALIAN)
AND INSECT CELLS)

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants
hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.
Pursuant to 37 C.F.R. § 1.98(d), copies of the documents cited are not enclosed as all the
documents have been previously submitted in U.S. Patent Application Ser. No. 09/256,694, filed
February 24, 1999, to which the present application claims priority under 35 U.S.C. §120.

United States Patents

	<u>Inventor</u>	<u>Issue date</u>	<u>Pat. No.</u>
1.	Summers	10/13/92	5,155,037
2.	Murphy et al.	5/14/96	5,516,657
3.	Black et al.	8/20/96	5,547,871
4.	Rosen	10/15/96	5,565,362
5.	Grandics et al.	11/5/96	5,571,720
6.	Robinson et al.	11/19/96	5,576,195
7.	Iatrou	06/02/98	5,759,809

(12/97)

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8.	Ming et al.	03/10/98	5,726,044
9.	Lo et al.	07/30/96	5,541,087
10.	Hammock et al.	10/07/97	5,674,485
11.	Ciardelli et al.	11/17/98	5,837,816
12.	Cayley et al.	June 1998	5,770,192
13.	Londos et al.	June 2000	6,074,842

International Patents

	<u>Date</u>	<u>Country</u>	<u>Patent No.</u>
1.	08/02/89	EPO	0 326 419
2.	08/03/94	EPO	0 608 696
3.	04/05/95	EPO	0 646 646.
4.	01/06/94	PCT	WO 94/00585
5.	02/17/94	PCT	WO 94/03588
6.	06/29/95	PCT	WO 95/17515
7.	03/03/99	PCT	WO 99/10489

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1. Bei, R., J. Schlom, and S.V.S. Kashmire, 1995. "Baculovirus expression of a functional single-chain immunoglobulin and its IL-2 fusion protein," *J. of Immunological Methods*. **186**, pp. 245-255.
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4. Brinster et al., (1988) "Introns increase transcriptional efficiency in transgenic mice" *PNAS U.S.A.* **85**:836-840.
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14. Hanzlik et al., (1989) "Isolation and Sequencing of a cDNA clones coding for juvenile hormone esterase from *Heliothis virescens*" *J. Biol. Chem.* **264**(21):12419-12425.
15. Huybrechts et al. (1992) "Nucleotide sequence of a transactivating *Bombyx mori* nuclear polyhedrosis virus immediate early gene" *Biochim. Bioph. Acta.* **1129**:328-330.
16. Jarvis and Summers, (1989) "Glycosylation and secretion of human tissue plasminogen activator in recombinant baculovirus-infected cells." *Mol Cell Biology* **9**:214-223.
17. Johnson et al., (1992) "A cellular promoter-based expression cassette for generating recombinant baculoviruses directing rapid expression of passenger genes in infected insects" *Virology* **190**:815-823.
18. Keil (1971) "Trypsin" in *The Enzymes*, Academic Press, 3:249-275.
19. Kroll et al., (1993) "A multifunctional prokaryotic protein expression system: Overproduction, affinity Purification and Selective Detection" *DNA and Cell Biology* **12**:441-453.
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22. Lu et al., (1996) "Trans-activation of a cell housekeeping gene promoter by the IE1 gene product of baculoviruses" *Virology* **218**:103-113.
23. Maiorella et al. (1988) "Large scale insect culture media for recombinant protein production" *Bio/Technology* **6**:1406-1410.
24. Martens et al., (1995) "Characterization of baculovirus insecticides expressing tailored *Bacillus thuringiensis* CrylA(b) crystal proteins" *J. of Invertebrate Pathology* **66**:249-257.
25. Martin-Eauclaire, et al., (1994) "Production of active, insect-specific scorpion neurotoxin in yeast" *Eur. J., Biochem.* **223**:637-645.

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26. Mounier and Prudhomme, (1986) "Isolation of actin genes in *Bombyx mori*: the coding sequence of a cytoplasmic actin gene expressed in the silk gland is interrupted by a single intron in an unusual position" *Biochimie* **68**:1053-1061
27. Mroczkowski, et al., (1994) "Secretion of thermostable DNA polymerase using a novel baculovirus vector" *The Journal of Biological Chemistry* **269**(18):13522-13528.
28. O'Reilly et al., (1992) *Baculovirus Expression Vectors*. W.H. Freeman and Co.
29. Sareneva, et al. (1994) "Role of N-glycosylation in the synthesis, dimerization and secretion of human interferon- γ " *Biochem J.* **303**:831-840.
30. Tzertziniz et al, (1994) "BmCF1, a *Bombyx mori* RXR-type receptor related to the *Drosophila ultraspireacle*", *Journal of Molecular Biology* **238**:479-486.
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32. Yamashina, (1956) "The action of enterokinase on trypsinogen" *Preliminary Notes* **20**:433-434.

This Information Disclosure Statement is being submitted within three (3) months of the filing date of the present application. Consequently, no fee is required pursuant to 37 C.F.R. §1.97(b).

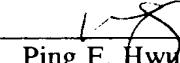
By citing the above references, Applicants do not acquiesce or admit that any of these documents are "prior art" under 35 U.S.C. Applicants specifically reserve the right, where appropriate, to antedate any of the cited documents by an appropriate showing under 37 C.F.R. §1.131, §1.604, §1.608 or any other suitable means.

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To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Date: February 26, 2002

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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	No
	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
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